

Message

From: LEUNG, LAM-WING H [LAM.H.LEUNG-1@chemours.com]
Sent: 9/8/2015 7:31:57 PM
To: Strynar, Mark [Strynar.Mark@epa.gov]
Subject: RE: Catching Up

Hi Mark,

Thanks and congrats and I look forward to it.

Best,
Lam

From: Strynar, Mark [mailto:Strynar.Mark@epa.gov]
Sent: Tuesday, September 08, 2015 3:13 PM
To: LEUNG, LAM-WING H <LAM.H.LEUNG-1@chemours.com>
Subject: RE: Catching Up

Lam,

My paper got accepted at ES&T on Sunday. I am working through galley proofs today. It should be live by midweek online. I will send it to you as soon as the galley proofs are accepted. Standby.

Mark

Dr. Mark J. Strynar
US EPA
Physical Scientist
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strynar.mark@epa.gov

From: LEUNG, LAM-WING H [mailto:LAM.H.LEUNG-1@chemours.com]
Sent: Thursday, August 06, 2015 10:43 AM
To: Strynar, Mark
Subject: RE: Catching Up

Hi Mark,

I do agree that the levels of PFOA & PFOS are high but they are in the ball park with a previous study by Shi , Vestergren & others in Environmental Pollution 206 (2015) 104 which they sampled in the same river (both water and sediment). When I spoke with Robin V at FLUOROS, he mentioned that they might go back and reanalyze these samples and see if they'd be in agreement on HPFO-DA levels. Not a big surprise as there are a number of F manufacturers along the river (our manufacturing plant is located elsewhere, near Changshu, quite a bit south of this region). My understanding is that most of these manufacturers are still practicing the "historical" chemistry.

Lam

From: Strynar, Mark [mailto:Strynar.Mark@epa.gov]
Sent: Wednesday, August 05, 2015 7:42 AM

To: LEUNG, LAM-WING H <LAM.H.LEUNG-1@chemours.com>

Subject: RE: Catching Up

I was asked to review the Heydebreck paper so I was aware of their findings. What startled me was the concentrations of PFOS and PFOA being found in the water. It was staggering compared to all other compounds.

Mark

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From: LEUNG, LAM-WING H [<mailto:LAM.H.LEUNG-1@chemours.com>]

Sent: Tuesday, August 04, 2015 10:48 PM

To: Strynar, Mark

Subject: RE: Catching Up

Hi Mark,

Thanks for your response and Ex. 6 Personal Privacy (PP)

Couple of interesting things at FLUOROS were the total F analysis which is along the line with non-targeted analysis and the interest in "new generation" alternative processing aid (HFPO-DA falls into this category). You probably are aware of the recent paper in ES&T by Heydebreck et al dealing with HFPO-DA in China and Europe rivers. They presented a poster on this at FLUOROS and I had a fruitful discussion with the author and we can discuss this more if you have a chance.

I'd be extremely interested in what your findings as to the levels of HFPO-DA and what other compounds are present in your most recent samples.

Hopefully, the revised edition of your paper will be accepted and I do look forward to reading it.

Best,
Lam

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From: Strynar, Mark [mailto:Strynar.Mark@epa.gov]
Sent: Tuesday, August 04, 2015 1:20 PM
To: LEUNG, LAM-WING H <LAM.H.LEUNG-1@chemours.com>
Subject: RE: Catching Up

Hi Lam,

Ex. 6 Personal Privacy (PP) I was sad to miss FLUOROS but Ex. 6 Personal Privacy (PP) was way better I am sure.

We have been working with Detlef since around 2012 or so. Only recently has he expressed interest in the chemicals we found in the Cape Fear river. We began collecting samples back in 2012, however we have regularly collected samples over the past 3 years as follow-ups or to get new fresh samples. We saw that the effluent stream that used to be below the lock and dam is no longer in use. I spoke with the plant manager around 1 year ago and he had informed me the effluent process had changed as well. As we do not quantitate I could not say if levels have dropped. We simply stuck to the identification angle. I can tell based on area counts levels have decreased since my first samples were taken.

We did get feedback from the editor about two weeks ago. This is the second revision and I hope to have it resubmitted by the end of the week. I still intend to share the paper with you as soon as it is accepted.

We took some new samples last week in the Fayetteville area that I have yet to process. I will let you know what we see. The only compound we can actually quantitate for is the C₆H₁₁O₃ (CAS 13252-13-6) as we have an authentic standard for it. In addition Wellington labs now has an ¹³C-labeled version of it (called M3HFPO-DA). All I could really say is relative abundance have changed if at all via comparisons. In addition, I am really more interested in presence studies right now.

Mark

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From: LEUNG, LAM-WING H [mailto:LAM.H.LEUNG-1@chemours.com]
Sent: Tuesday, August 04, 2015 11:03 AM
To: Strynar, Mark
Subject: Catching Up

Hi Mark,

I hope you and your family Ex. 6 Personal Privacy (PP) and the summer is going well for you. We missed you at FLUOROS2015 and it was an excellent conference and very informative and educational. Although it was a long 2 day conference, I do find it to be just the proper length to catch up on new things and meeting new researchers.

I spoke with Detlef Knappe and his postdoc Mei Sun of NC State about their poster (I was not aware of that you were collaborating with him) and it was quite interesting. I'm more particular interest in when the samples were collected as we've implemented some changes in our facility some time in 2014. There are, of course, a few other interesting posters which I found to be quite interesting and I'm not sure you have a chance to look over the abstract that Chris sent out.

By the way, has your paper got accepted as I recall you had just received some feedback from the editor back in June?

P.S. We are now a "new" company and are totally separated from DuPont although I'm doing pretty much exactly what I have been doing the past few years.

Best Regards,
Lam

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Technical Fellow

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